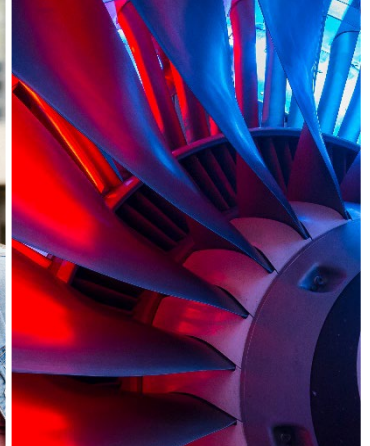





Technische  
Universität  
Braunschweig



## About TU Braunschweig

Title of presentation | Name of speaker | Date

# Key Figures 2023

-  founded in 1745
-  16,800 students | 3,200 of them international
-  3,800 staff members | 2,300 of them researchers  
242 of them professors
-  € 393m overall budget | € 124m third-party funding



-  4 core research areas
-  7 interdisciplinary research centres
-  6 faculties
-  2 clusters of excellence
-  86 degree programmes
-  2 DFG collaborative research centres

# What TU Braunschweig Stands for



- strong industrial and cooperation partner network in Europe's most active research region
- university of technology with the longest tradition in Germany
- member of the TU9 Alliance, Germany's leading 9 universities of technology



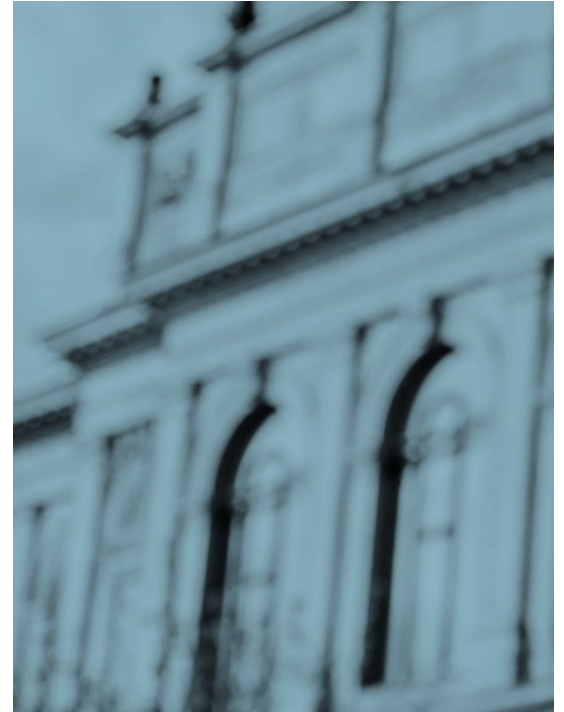
# What TU Braunschweig Stands for



- **explicit STEM-focus: broad range of engineering programmes**
- **complemented by natural sciences, social sciences and humanities**
- **transdisciplinary education**
- **strong basis research combined with a high application orientation**

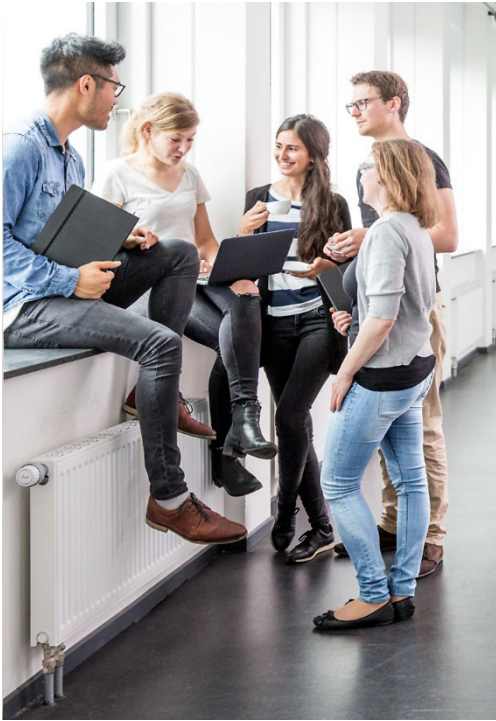
# History

- 1745** – Foundation of the **Collegium Carolinum**
- 1848** – The Collegium Carolinum is renamed **Herzogliche Technische Hochschule Carolo-Wilhelmina**
- 1968** – Establishment of a department for humanities and social sciences, the University gets its present name **Technische Universität Braunschweig**
- 1995** – TU Braunschweig celebrates its **250th anniversary**
- 2007** – Braunschweig becomes German **»City of Science«**
- 2007–** – **Foundation** of 7 interdisciplinary research centres (NFF, NFL, BRICS, LENA, PVZ, OHLF, ZeBra)
- 2020**
- 2018** – Success in the **excellence strategy**: clusters of excellence in aviation and metrology



**Our history dates back to 1745, making us Germany's university of technology with the longest tradition.**

# Comprehensive University with 6 Faculties



01  
10

**Carl Friedrich Gauß Faculty** (Mathematics, Computer Science, Business Science, Social Sciences)



**Faculty of Life Sciences**



**Faculty of Architecture, Civil Engineering and Environmental Sciences**



**Faculty of Mechanical Engineering**



**Faculty of Electrical Engineering, Information Technology, Physics**



**Faculty of Humanities and Education**

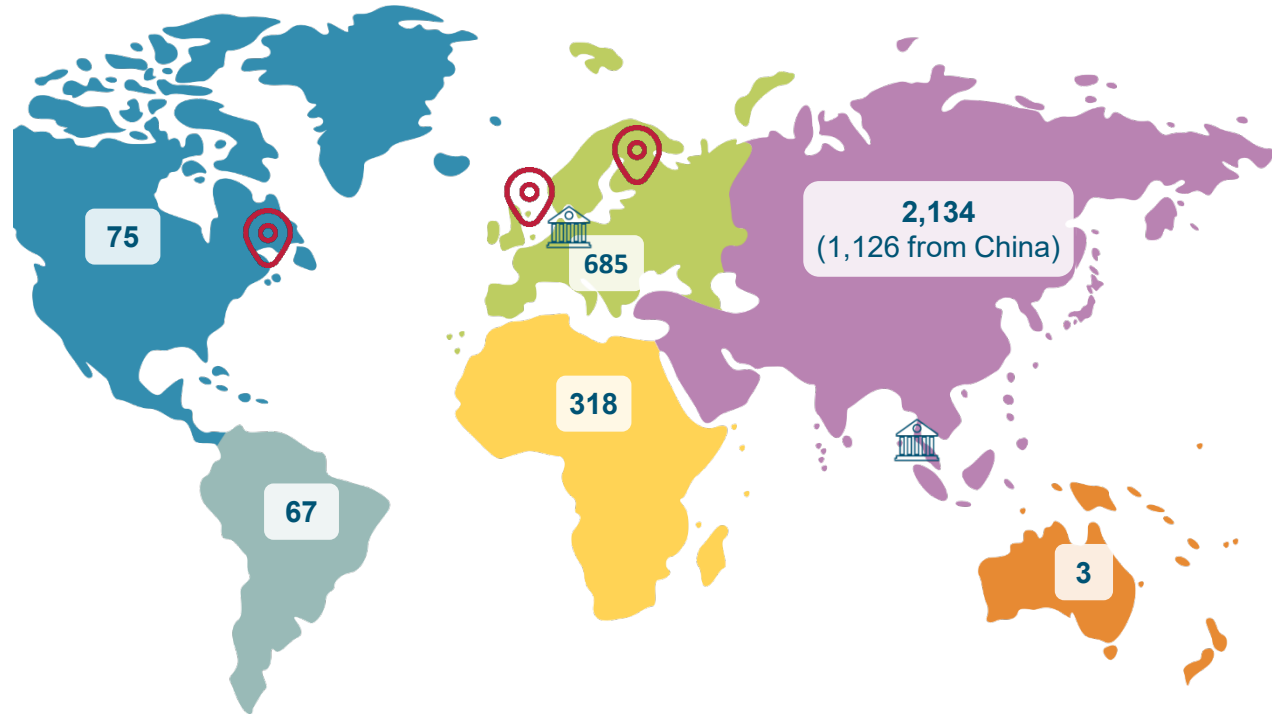
# TU Braunschweig International

3,200	international students
110	countries
19 %	of all students
310	partner universities
170	Erasmus agreements

**Strategic partners:** University of Strathclyde, Tampere University, University of Rhode Island, National Autonomous University of Mexico

**Campus:** Wolfsburg, Singapore

**Key exchange partners:** USA, Canada, South America, India, China, Japan, Singapore



# Research at TU Braunschweig: Core Research Areas

TU Braunschweig has identified 4 interdisciplinary core research areas:

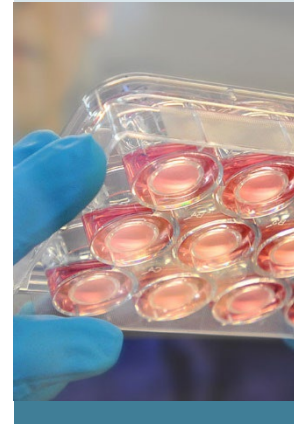
Mobility



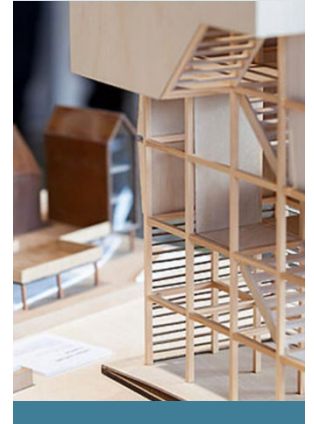
Metrology



Engineering for Health



Future City



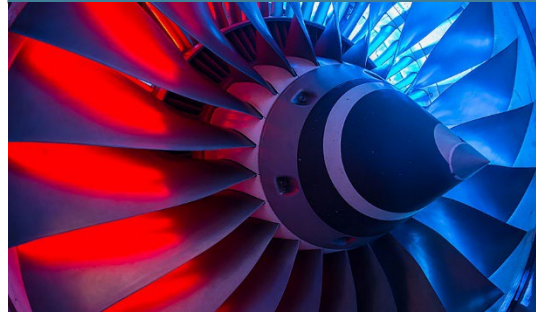


# Research at TU Braunschweig: Clusters of Excellence

TU Braunschweig has 2  
Clusters of Excellence  
within the German  
University of Excellence  
scheme:

**SE<sup>2</sup>A – Sustainable and  
Energy Efficient Aviation**

established 2018



Core research area Mobility

**Quantum Frontiers  
(together with LU Hannover)**

established 2018



Core research area Metrology

# Research at TU Braunschweig: Research Centres

Our interdisciplinary research centres are **long-term interdisciplinary and interdepartmental research associations.**

Professors **from at least two faculties** come together to form a Research Centre.

In most cases, **non-university research institutions** are involved.



# Situated in Europe's Most Active Research Region

- In the city and region of Braunschweig, more than 19,600 people work in research and development institutions.
- 4 % of the population work in research and development – this is the highest ratio in Europe.
- More than 30 major research institutions and companies contribute to the research region.

According to Eurostat, Braunschweig has the highest ratio of GDP spent for research and development in Europe.

## TOP 5 REGIONS IN THE EU

RESEARCH AND DEVELOPMENT INTENSITY, 2015  
(%, relative to GDP)



# Research Region Braunschweig

**TU Braunschweig is member of the Research Region Braunschweig.**

Within the region, we closely collaborate with a number of research institutes, federal institutes and other partners.



# The City of Braunschweig

- population of 250,000
- second largest city in Lower Saxony
- first mentioned in 1031, important cultural and political centre since the middle ages, member of the Hanseatic League
- central position in the heart of Germany
- ranks 4th among all major German cities in terms of quality of life





# Let's get in touch!

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